

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/605,616	COHEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Hashem Farrokh	2187	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/29/06.
2. ☐ The allowed claim(s) is/are 2-4,6,7,9-12,15-20 and 66.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
- Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <p>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</p> <p>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</p> | <p>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</p> <p>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</p> <p>7. <input type="checkbox"/> Examiner's Amendment/Comment</p> <p>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</p> <p>9. <input type="checkbox"/> Other _____</p> |
|--|---|

**PART I**                    **THE EXAMINER'S EVALUATION OF THE APPLICATION**

**SECTION A**            **RELEVANT ART CITED BY THE EXAMINER**

1.     *U. S. Patent No. 5,761,715 to Takahashi describes Information processing device and cache memory with adjustable number of ways to reduce power consumption based on cache miss ratio.*
2.     *U. S. Patent Publication No. 2003/0061448 to Rawson, III describes Selectively powering portions of system memory in a network server to conserve energy.*
3.     *U. S. Patent No. 2003/0236948 to Erdner et al. describes Cache way replacement technique.*

**SECTION B**            **DISTINGUISHING FEATURES RECITED IN THE CLAIMS**

The following is an **Examiner's Statement of Reasons for Allowance** See **MPEP 1302.14**

3.     *The primary reasons for allowance of independent claims 2-4, 6-7, 9-12, 15, and 19-20 in the instant application is the combination with the inclusion of the following limitations: **maintaining coherency of data in cache, as the size of the cache is altered, by ensuring that copies of all data elements in the cache exists in an area of the cache not powered off.***
4.     *The primary reasons for allowance of independent claims 16-18 in the instant application is the combination with the inclusion of the following limitations: **wherein the step of maintaining integrity of data includes the step of, before powering off one of the sections of the cache, saving any modified data in said one section of***

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**the cache and ensuring that copies of all data elements in the cache exists in sections of the cache not powered off.**

*The prior art of record including the disclosures of Takahashi (5,761,715), Rawson, III (2003/0061448), and Erdner et al. (2003/0236948) neither anticipates nor renders obvious the above recited combination.*

*Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays should be clearly labeled "Comments on Statement of Reasons for Allowance"*

**PART II                    THE ATTENTION OF FUTURE CORRESPONDENT**

*Any inquiry concerning this communication should be directed to Hashem Farrokh whose telephone number is (571) 272-4193. The examiner can normally be reached Monday-Friday from **8:00 AM to 5:00 PM**.*

**:IMPORTANT NOTE:**

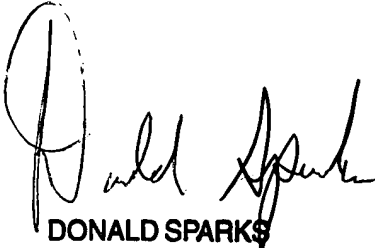
*If attempt to reach the above noted Examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Donald A Sparks, can be reached on (571) 272-4201. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published application may be obtained from either private PAIR or Public PAIR. Status information for unpublished application is available through Private PAIR only. For more information about PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on*

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*access to the Private PAIR system, contact the Electronic Business Center (EBS) at  
866-217-9197 (toll-free).*

*HF*  
HF

2006-06-02

  
DONALD SPARKS  
SUPERVISORY PATENT EXAMINER